

THE HUMAN BODY IS AN ELECTRIC BATTERY?

Startling New Discoveries Seem to Prove Beyond All Doubt That "Electricity Is Life"

Men of Science Demonstrate the Value of Electricity as a Cure for Disease.

Remarkable Claims of a New York Man Whose Invention Meets With Great Success.

That the human body is electrical is no longer a mere theory among scientists and up-to-date physicians. It is generally conceded to be an absolute fact.

Professor Edgar L. Larkin, discussing the new physiology, writes as follows:

"A man, brain and body is a battery, and nerves correspond to wires. It is now certain that transmission of sensation over them is electric. Nerves have been cut and a galvanometer inserted. The needle moved, proving that nerve power is electricity. The human system is an electro-chemical battery and the life principle is electrical. The electrical age is here. Drugs are hard hit on all sides, and an intelligent physician tells me that he has almost entirely dropped their use. The word health now means a normal supply of electricity in the body and the word disease means an insufficiency of that power."

"Dr. Albert J. Atkins, the eminent California scientist, is still at work proving that every principle in what we call our electrical science is merely borrowed from the human body. We propel railroad trains and automobile trains by means of electricity, and think it wonderful, but the human dynamo has always known how to propel itself and with skill and almost absolute safety in either walking or running, and now Dr. Atkins shows us that the millionaire in his automobile and the hobo on foot are alike carried forward by electrical force."

"With a man's stomach as the only electric battery, Dr. Albert J. Atkins and E. J. Lewis recently charged an ordinary telephone apparatus so that it conveyed sound," says a San Francisco morning paper.

It demonstrates that the human body is an electric battery.

This experiment consists in the swallowing of two platinum electrodes, so that they touched the walls of the living stomach.

By means of copper wires the electrodes were connected with a telephone and a microphone, a sensitive instrument which greatly intensifies sound.

"There was absolutely no mechanical or chemical battery in the circuit, yet the moment the electrodes were swallowed sufficiently to touch the walls of the stomach, human electricity flowed over the wires, rendering audible sounds. The electric charge measured from seven to eight watts on a western galvanometer."

The Effect of Electric Treatment Upon School Children.

From Cosmos L. Electrician, and other sources, the following data have been secured bearing upon experiments conducted for a number of years past in Stockholm, in accordance with suggestions made by Professor Svante Perhentius, with the object of determining whether or not electricity affects advantageously the development of the human body. Two groups of fifty children each were selected, so that the two groups were, as nearly as possible, absolutely equivalent from the standpoint of the health, height, weight, etc., of the members. Each group received instruction in one of the two rooms identical in dimensions and exposure. One of the two rooms, however, was wound—walls, ceilings, and, apparently, floor—with a coil of a great number of windings of insulated wire, which thus formed a huge solenoid, and through this coil were sent alternating currents of high frequency. The conditions within this room were therefore in part similar to those in the core of a great electromagnet, a D'Arsenal apparatus on a grand scale. The fifty pupils who constantly occupied this room were thus immersed in a magnetic field while at work, the other group, used as a "check," studied under conditions otherwise entirely similar. Presumably, both pupils and masters were kept in ignorance of the treatment to which those in the electrified room were being subjected.

All the pupils, having been carefully measured physically, were also classified minutely according to age, capacity for mental labor, and state of advancement in studies. In other words, every effort seems to have been made to reach satisfactory conclusions as to the effect of the treatment upon the favored fifty.

At the end of six months, the electrified pupils had, on the average, grown 57 millimeters (2 inches), the "check" students only 32 millimeters (1 1/4 inches). The increase in weight, etc., was proportional to that in height.

The mental progress was as remarkably as the physical. Taking as a standard of advance in studies that of the very brightest children and denominating this 100 per cent, the average advance to those who had been subjected to the new treatment was 92 per cent, and fifteen out of the fifty pupils were recorded as having attained the maximum. On the other hand, the average progress of the check pupils was represented by 75 per cent, and none of them attained to the maximum. There was also a notable improvement in mental alertness and attention and in capacity to resist fatigue on the part of those in the electrified room. Teachers as well as pupils benefited by the treatment.

Electricity the Basis of Human Vitality.

Professor Jacques Loeb, after 16 years' research and experiment, made this statement: "A part of the chemical energy of foodstuffs is transformed into electrical energy, which in turn gives energy to the muscles and organs of the body. Electricity, and not heat, is the life of the body. These discoveries are going to upset the theories of medicine as administered by the physicians of to-day, as it is settled that electricity is the basis of human vitality."

Keeps Old Age at Bay.

"Electricity will restore the elasticity and buoyancy of youth," declares a famous New York physician, writing in the Medical Times.

"No matter how old a man may be or how young in years, whenever his arteries begin to harden, to resist the increased pressure of the blood, then he actually is old, then the electric treatment must be applied, and after a few times nature takes up the work and carries it on, and the patient gets young again—or at least is able to resist the encroachments of old age."

"By electric stimulus the system is energized, the blood made to circulate equally, the digestion aided, and waste products stimulated, the repair tissue is assisted and the normal working of the bodily functions restored."

Electricity to Supersede Drugs.

I maintain that electricity is the power which runs the human body—the force that keeps the heart going, the blood circulating and the various organs performing their works like so many machines. I claim that electricity works the miracle of digestion and assimilation and converts the food into blood and bone, tissue and supplies the brain with power to think.

I have had my theories confirmed by some of the world's most learned scientists, and to-day the use of electricity as a curative agent is spreading to every corner of the civilized world.

While others were speculating and arguing over the merits of electric treatment, I have gone ahead achieving results, and I can point with pride to men and women in all walks of life who say they regained their health and strength through the use of my Electric Body Battery.

Before I talk further regarding the use of my appliance you must understand my claim, that the human body is an electric organism, deriving its motive power from the digestion of food in the stomach. This electric force generated in the stomach is taken up by the nerves and conveyed to the different organs of the body, and is their life. So long as there is sufficient electric energy to satisfy the demands of nature, the vital organs perform their vital functions properly, but just as soon as the natural electric force is overtaxed in any way the organs become weak and inactive and sickness or disease is the result. Now you can't cure the trouble until you restore the lost force. Nature must have more electricity, or vitality, as it is termed by medical men, in the ailing part. You cannot renew this force by dosing the stomach with poisonous drugs, which only help to drain away the vitality that you have. When every organ of the body has all the motive power—electricity—it needs, weakness and disease should not exist.

Now the purpose of my invention is to restore this electric force in a natural, scientific way. When the stomach is unable to supply the demands of the vital organs you must assist nature by filling your nerves with galvanic electricity.

My appliance is a generator of a powerful but soothing current of electricity, worn about the body while you sleep. It sends a subtle stream of electric life coursing through the nerves and vitals for hours at a time. Its touch is gentle, without sting or burn. There is no shock. All you feel is a glowing warmth.

Electricity fills the nerve cells with new life. It dries out pains and aches, builds up vitality and strength and overcomes permanently such trouble as lumbago, nervousness, rheumatism, insomnia, many female complaints, varicose veins, weakness of any kind and all stomach, kidney, liver or bowel disorders. This is my claim.

The Product of Experience.

I have devoted years to the perfection of my appliance. I have removed defects as fast as they appeared, and I am now using, and have supplied new features from time to time, so that my appliance is in a class by itself.

The current can be regulated to any degree of strength by the pressure of a finger upon the regulator arm.

Compared with mine, all other electric body appliances that I know of are products of the blacksmith's hammer.

It is not upon this point alone, however, that my success has been founded. My immense business is due also to my knowledge of the effect of electricity upon the ailments to be overcome and the best way to obtain that effect.

When you consider my theory that electricity is life to the organs into which my appliance sends it, you can see how we get our results. My success is due to the results effected by my appliance. If it did not produce results, my business would have died out long ago.

When I say that my appliance gives results, I don't ask you to accept my word alone as evidence. I can refer you to people who got back their health through the use of my appliance, and they will tell you what it did for them.

Here Is Proof.

A Bad Case of Nervous Disability.

Dear Sir:—It gives me great pleasure to advertise my cure through the use of your Herculex appliance. I was cured of nervous debility, loss of appetite, kidney trouble, constipation, of seven years' standing. I was terribly run down and nervous. I never believed I could ever be cured, but I went and every one told me that there is such a thing as a cure. I do not believe that there are many people in the U. S. who can say they were as far gone in health and vitality as I was. I had gone the round of specialists, medicine, capsules, etc., and only made a drug store of my stomach. My dear friends, if you suffer from anything in that line, do not waste your time, but go directly to the Sanden Co., and you will never regret it. You will be able to face any man. I am now well and strong, and the only thing I regret is that I did not write you this letter before, as it was in October, 1911, that I purchased the No. 8 Herculex. My case was a case of gloom to sunshine. Thank God I am a new man. I will answer any sufferer who encloses a two-cent stamp.

GEORGE CROSSMAN,
66 Columbus Ave.,
New York City.

"Long May You Live to Be a Blessing to Suffering Humanity."

Dear Sir:—I have good news for you in regard to the restorative power of your Herculex Belt. About a year ago, I had what the doctor told me was inflammation of the bladder, and he said it was one of the worst things a doctor had to contend with, and I thought so, too. After trying his medicine for nearly a year, it would ease me some, but I still had that awful irritation, so I gave him up and tried several different kinds of patent medicines, but without avail. If you remember, I sent for one of your Belts, and after wearing it for about two months I began to feel like myself again; irritation all gone. But that is not all. I had indigestion, too, and so bad that at times I thought it would finish me, so much pain and distress, but thanks to your wonderful appliance I have not been bothered with it since. I am a veteran

of the Civil War and in my 64th year. I am not able to express my thanks to you for the good your Belt has done me. Long may you live to be a blessing to suffering humanity, and I hope my experience will lead others to buy your cure. So feeling very grateful to you, I remain,

Ever your true friend,

JAMES BENNETT,
Box 155, Roosevelt, L. I., N. Y.

Intestinal Indigestion, Constipation, Headache, Piles, Etc.

Dear Sir:—Your Herculex Belt proved to be all I expected and all you claimed it to be. My chief troubles were intestinal indigestion and constipation, and after wearing the Belt all night for two or three months, these symptoms disappeared. I had another annoying condition—piles, which I never expected to be free from. Some time before I began wearing the Belt I had a severe attack, which laid me up for nine days, all the time being in agonizing pain, but since wearing the Belt, these have disappeared also. This I consider even more wonderful when I remember you did not promise to cure this complaint, and the fact that I have been subject to piles for about 50 years. I have been benefited in every way by the use of your Belt. I feel better, stronger and younger, and am with ease and comfort doing my work, requiring more strength and activity than many men half my age. Your health Belt would be an excellent investment for any man, especially to one who has passed the meridian of life and who cannot really say that he is sick and yet realizes that he is not what he used to be. I forgot to mention perhaps the most distressing complaint that I suffered from, namely, headache, caused, I think, by indigestion. This was an everyday occurrence, and I could only obtain relief from the use of Bromo-Seltzer. This, too, is a thing which belongs to the past. My candid advice to every one who is lacking in strength is to get one of your Belts, as I really believe it will make an old man young again. Should you consider this letter of any use to you, use it as you wish. Wishing you continued success and prosperity, I remain,

Yours very truly,

W. F. VAN GUNDEL,
6127 Chancellor St.,
Philadelphia, Pa.



Rheumatism, Neuritis of Stomach, Etc.

Dear Sir:—During the winter of 1898-99 I contracted a very bad case of rheumatism in my right arm and many a sleepless night did I spend nursing it while I suffered the most excruciating pain. I spent considerable money on doctors and patent medicines without getting anything but temporary relief. Shortly after I would have it again as bad as ever. Finally I decided to write to the Sanden Co. and after reading some of their literature I sent for one of the Belts, which I used very faithfully for about two months. However, after wearing it about two weeks I was practically well, but decided to be on the safe side. Since then I have not been troubled with rheumatism and I can honestly recommend the Sanden Health Belt, believing that what he claims for them they will do. Later I was troubled with neuritis of the stomach and the Belt, being still in good condition, soon effected a cure also in that case. I had it for nearly ten years and finally gave it away to some one who I thought needed it worse than I did. I shall be pleased any time to say a good word for the Sanden Belts.

Very respectfully,

JESSE S. PETERSON,
Auditor Interior Dept.,
Union Bldg., 4th Floor,
Washington, D. C.

From the Editor of the Christian Appeal.

February 14th, 1914.

To Whom It May Concern:

This is to certify that I have used the Sanden Electric Herculex and found it to be all that it is claimed for. The Belt gave me perfect satisfaction, and from my personal experience I cannot endorse it too strongly. I regard it as invaluable and do not know where I would have been to-day without it. At any time I can serve you I shall be glad to do so and will write to any one who may wish further information of me.

C. W. CREIGHTON,
Editor Christian Appeal,
Greenwood, S. C.

Health Without Drugging.

M. d'Arsenal, a well-known aviator of the Physiological Institute of Paris, in an address at the institute, said that electricity would be the medicine of the future. He showed that it is excellent for certain maladies and described the difference between sudden shocks and the slow method by which it pervades the system without the patient's consciousness.

"THE WORD HEALTH NOW MEANS A NORMAL SUPPLY OF ELECTRICITY IN THE BODY AND THE WORD DISEASE MEANS AN INSUFFICIENCY OF THAT POWER."—Professor Edgar L. Larkin.

Professor Andrew MacConnell, president of the Society of Universal Science, in a recent essay, made this statement:

"The only difference between a well man and an invalid is that the invalid is not producing enough electric power to run the functions of his body and keep the vital organs up to the necessities of life."

"This power is electricity, that by understanding the laws governing the production and control of electricity in life, any human can cure himself in a few weeks, can increase his working capacity, can increase his vitality to the point of having an overflow of happiness and joy, and also that any person, feeble from age, may in the same way reinvigorate himself."

When one falls into any form of disease, he simply does not produce as much electricity in his body as when well. We see, too, that age is just like a chronic disease, that one begins from the ignorance of the laws of electric production to gradually decrease his generation of electricity until he finally reaches the point where he does not produce enough to keep his vital organs running. This means death. The same amount of electricity in a man of 70 would make the same power as the same amount of electricity in a man of 30. This proves the prolonging of life a scientific matter of keeping the production of electricity up to the normal needs of the body."

With some 200 scientific experiments from recognized scientists it has been conclusively proved that most drugs are poisonous, and poisons wreck the nerves.

Many persons believe that when a drug gives relief it is doing good. That's a big mistake. Drugs, in my opinion, can give temporary relief, and it is always at the expense of the nerves and vital organs.

If you have a pain or an ailment of any kind, you don't want to fool yourself into the belief that you are getting well when you are not. That's all you do when you dose yourself with drugs.

It is easy enough to stop a pain by stupefying the nerves with poisonous drugs, but the pain will return as soon as the stupor passes off. You can force a weak organ to act by giving it a powerful stimulant, but you can't restore natural strength that way, and it will probably be weaker than ever when the drug stops working.

That is why temporary relief is dangerous. Drugs do not remove the cause of disease, and every minute that they give relief the disease is getting a firm hold upon your system. As long as the cause remains the trouble stays there, and the only way to get rid of it is to assist nature. Nature wants strength, vitality, power to fight disease and drive it out, not poisons which only make it worse. Isn't this sound logic?

Electricity is nature's medicine, and the proper use of it will, in my opinion, restore you to perfect health. Disease results when you break nature's laws. If you continually overwork the stomach you will have stomach trouble. If you abuse any organ of your body you must suffer for it afterward. Then the real cause of disease is due to the weakness or



Human Electricity

Men Made to Feel Young at Sixty.

There is no excuse for men being old at 60, complaining about pains in the back, stiffness in the shoulders and legs, the "tired feeling," nervousness, indigestion, constipation, and failure of vitality. Nature started you with a constitution that ought to have held good until you are 80, and you ought to feel like a man now. But you have allowed some things and wasted your vitality. You still have the constitution, but lack the force. That is electricity. My appliance is intended to restore it.

Look at the men who have used electricity and you will see men of force, men of power and confidence, men who respect themselves and are respected and admired by their fellow men.

Wouldn't you like to be the man you were a few years ago? To have the same vigor, the same spirit, the strength and vitality that you used to possess? Wouldn't you like to be free from pains and aches, and to know that you are free from the grasp of any man of your age? Probably you can be.

All that you lack is vitality—new life. You are like an engine without steam—the motive power to keep the machinery of your body working properly. Anything that will restore your "steam" will make a new man of you. Drugs have been tried and have failed. Thousands know that my appliance has not failed. It is electricity, and electricity is life. This probably is what you require, and the proper use of this grand appliance should give you health and happiness.

Vital, Healthy People Attract All.

A man may learn the degree of his own social importance by the attraction he has for those who know him. If you are not "magnetic," if you are nervous, unstrung, and lack nerve and courage, men and women naturally pass you by for the full-blooded, clear-eyed, even-tempered fellow whose very power, magnetism and electric-vital force make him the center of all eyes and ears. Thousands have said in effect, "Your Health Belt gave me back my courage and ambition. It renewed my bubble with life and nerve, and gave me a foundation of renewed strength to rely upon."

Mr. H. Gifford Sinclair, 2904 Market St., Wilmington, Del., writes: "It affords me great pleasure to say that your Herculex has restored my vitality. Prior to my purchasing your Herculex, I was a complete nervous wreck and I was unable to do anything that this little instrument is capable of supplying new vitality and nerve power."

Why Use a Body Battery?

A party asked the other day why it is the farada batteries and static machines do not give such results as my electric body appliance.

That's because you can't stand the treatment for more than a few minutes at a time. A nervous person can't endure it long on account of the shock. When a man tries that method and finds that it does not help him, he naturally concludes that electricity is no good.

My system is different. With my plan a current is sent into the body for six or eight hours every day or night, usually while the person sleeps. The delicate nerves are not jarred or shocked by this current, as it goes into them as a drizzling rain saturates a new plowed field. They absorb it, drink it in, and it is their very life, they grow strong with it.

Poor digestion, inactive liver, constipation, sluggish heart, weak thinking, drowsiness, and all the ailments are all due to lack of electricity. Understand that electricity is the lack of motive power of the human machine, the power that keeps the body functioning. You will see what we mean. In such cases you will see how my appliance can put energy into the body. It renews the electric life of the nerves and forms the sluggish into a bundle of vigorous energy.

Because you have experimented with farada batteries and belts, or taken electric treatments from physicians without success, is no reason why my methods should prove a failure. The doctor's battery can only be applied for a few minutes at a time, and that is not enough. Besides, that method is inconvenient and expensive. My appliance can be used all day or all night without interfering with your work or rest. It takes up none of your time.

Prejudice Against Advertised Treatments.

There is a whole lot of prejudice against advertised remedies, due no doubt to the large number of quacks and schemers that have foisted worthless remedies on the public during the last few years.

If it were not for this prejudice I would not be able to handle all the business that would come to me. Many of the people who have made my "Electricizers" advertised by charlatans have made many people skeptical; but I know that I have a good thing and will hammer away until everybody knows it.

I claim any organ of the body, any part that lacks the necessary vitality to do its work as nature intended, can be restored by this electricizing current. I give strength; it makes the blood rich and warm; it vitalizes the nerves and puts life into the brain and muscles. It just makes a good man out of a bad one in every way.

My appliance overcomes rheumatism, pains and aches, weak nerves, general debility and any other trouble which can be cured by restoring the life force. No matter where you live, you can use my appliance as successfully as if you could come here to my office.

Valuable Books Free.

To any man or woman who will mail me this coupon I will send free (closely sealed) a finely illustrated book regarding the cause and cure of disease. This book is written in plain language and explains many secrets you should know. One especially for men; another for women.

Don't spend your money on drugs and medicines. Electricity is, in my opinion, far superior. You should know about it.

If convenient, would like to have you call personally at my office, as you would then have an opportunity of seeing and touching the appliance and of having a talk with me regarding your condition. Investigation of my method, either personally or by mail, shows you under no obligation whatever.

Don't wait another minute. Call or cut out this coupon right now, and mail it. I will send the book without delay, absolutely free. Address—

The C. H. Sanden Co., 1261 Broadway, New York.

Cut this out, fill in and send to the C. H. SANDEN CO.

1261 Broadway, New York, N. Y.
Near 31st Street

The Free Book will at once be mailed to you sealed.

Name _____

Address _____